PROJECT DEVELOPMENT PHASE

Team ID	PNT2022TMID50055
Project Name	Smart Waste Management System For
	Metropolitan Cities

DELIVERY OF SPRINT 3



```
host="192.168.143.95",
      user="root",
      password="mysqlpassword",
      database="IbmDataBase"
    )
    mycursor = mydb.cursor()
    confirmtion=0
    sql = "SELECT * FROM dsbn WHERE dusid =1"
    mycursor.execute(sql)
    myresult = mycursor.fetchall()
    Frommailadress="from@gmail.com"
    password="myapp password"
    yag = yagmail.SMTP(Frommailadress,password)
    yag.send("TO@gmail.com",
    "Level of the dustbin is "+str(myresult[0][1])+
    " locations of the dust
bin "+str(myresult[0][3])+" "+str(myresult[0][2])+"")
    print("sended successfull")
  else:
    print(confirmtion)
def DataBaseCon():
  mydb = mysql.connector.connect(
```

```
host="192.168.143.95",
    user="root",
    password="mynewpassword",
    database="IbmDataBase"
  )
  mycursor = mydb.cursor()
  sql = "UPDATE dsbn SET dusLevel = "+str(dusbinLevelInper)+" WHERE dusId = '1'"
  mycursor.execute(sql)
  mydb.commit()
  print(mycursor.rowcount, "record(s) affected")
def ledblinkon():
   GPIO.output(19, GPIO.HIGH)
def ledblinkoff():
   GPIO.output(19, GPIO.LOW)
while True:
  print("distance measurement in progress")
  GPIO.output(TRIG,False)
  print("waiting for sensor to settle")
  time.sleep(0.2)
  GPIO.output(TRIG,True)
  time.sleep(0.00001)
  GPIO.output(TRIG,False)
```

```
while GPIO.input(ECHO)==0:
  pulse_start=time.time()
while GPIO.input(ECHO)==1:
  pulse_end=time.time()
pulse_duration=pulse_end-pulse_start
distance=pulse_duration*17150
distance=round(distance,2)
print("distance:",distance,"cm")
time.sleep(2)
if(distance>=60):
  dusbinLevelInper=0
  ledblinkoff()
elif(distance<=60 and distance>=45):
  dusbinLevelInper=25
  ledblinkoff()
elif(distance<=45 and distance>=30):
  dusbinLevelInper=50
  ledblinkoff()
elif(distance<=30 and distance>=10):
  dusbinLevelInper=80
  ledblinkoff()
else:
  dusbinLevelInper=100
  ledblinkon()
  confirmtion+=1
  mailsender()
```

DataBaseCon()

time.sleep(20)